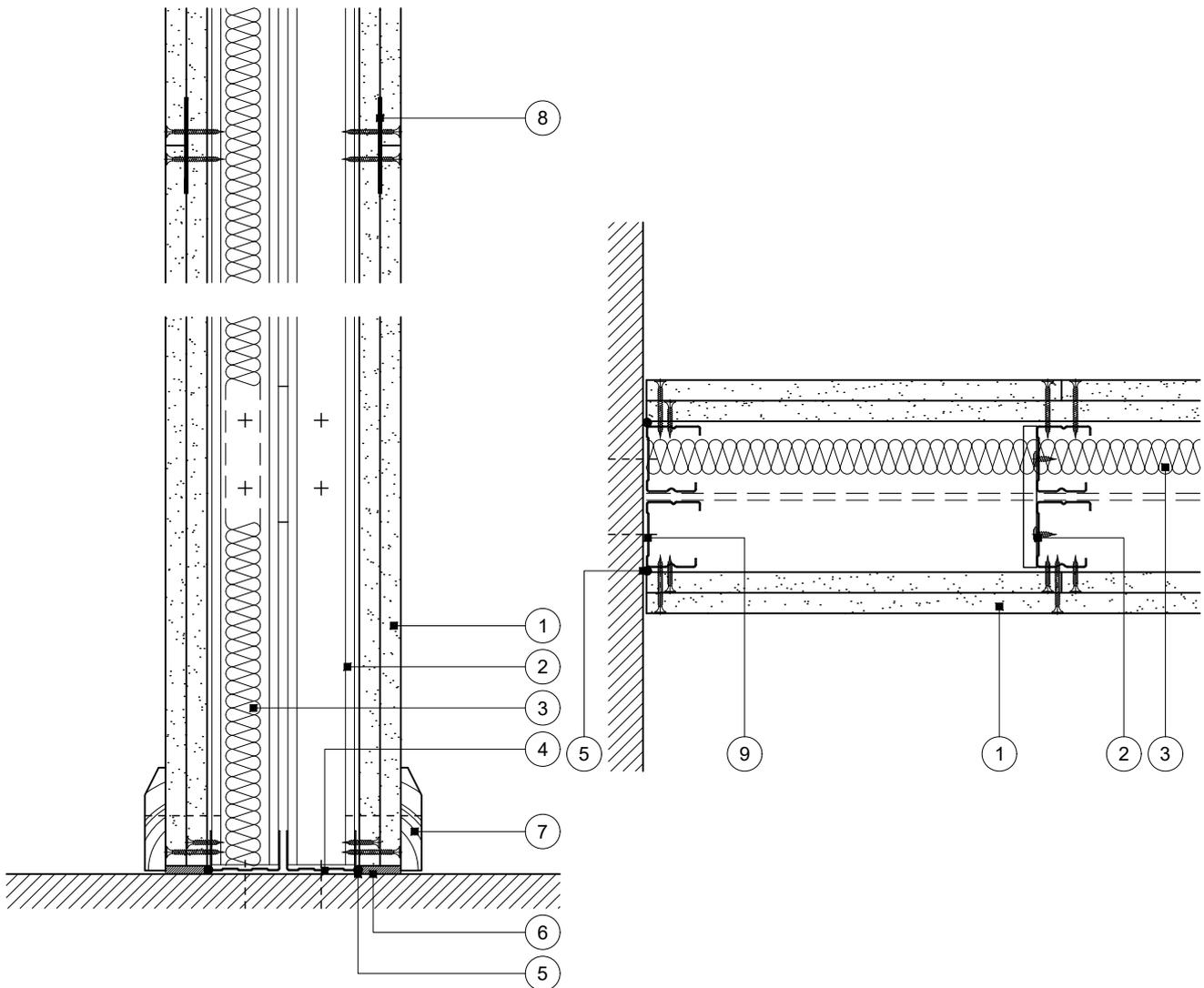


Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

GypWall Twin Frame Braced

- 1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Two lines of Gyproframe 'C' studs at specified centres cross braced with Gyproframe 99 FC 50 Fixing Channel at 1200mm centres (staggered by 600mm between stud pairs for heights over 2400mm) fixed to each stud with two suitable British Gypsum wafer head screws
- 3 Isover insulation where required
- 4 Gyproframe Channel suitably fixed to floor at 600mm centres. Deep Channel for heights between 4200mm and 8000mm or Extra Deep Channel for heights over 8000mm
- 5 Gyproc Sealant for optimum sound insulation
- 6 Gyproc jointing material bulk fill where gap exceeds 5mm
- 7 Indicative skirting
- 8 Gyproframe GFS1 Fixing Strap progressively inserted between board layers to support outer layer horizontal board joints
- 9 Gyproframe 'C' stud suitably fixed to wall at 600mm centres



Base and horizontal board joint

Wall abutment

Title: GypWall Twin Frame Braced
48mm 'C' studs and two layers board
Standard details read with project specification

Scale at A4: 1:5
Date: February 2024
Dwg No.: ST-135-Z1L2-01

Drawn: MRC
Approved: MBH
Revision:

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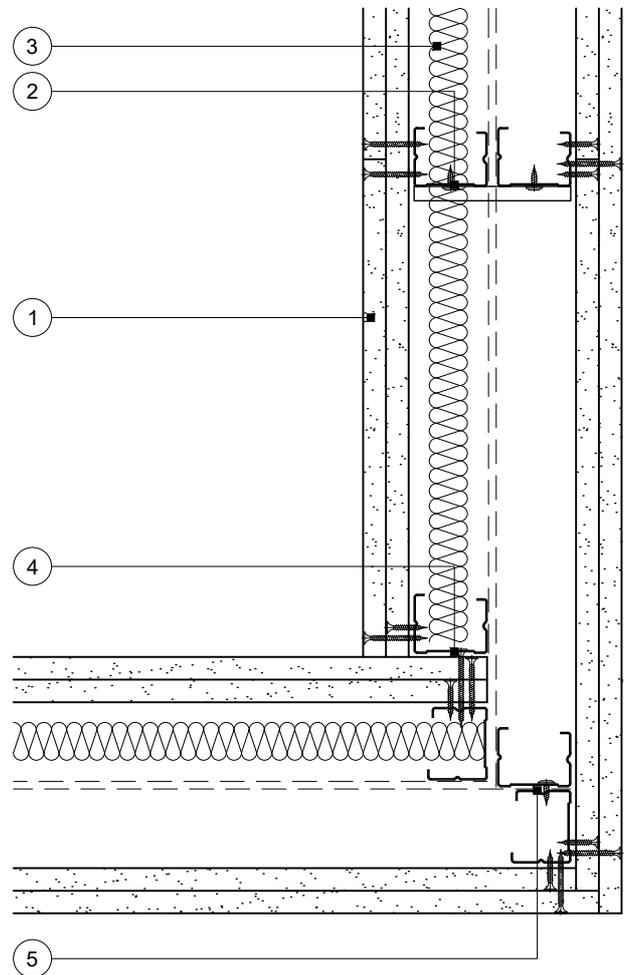
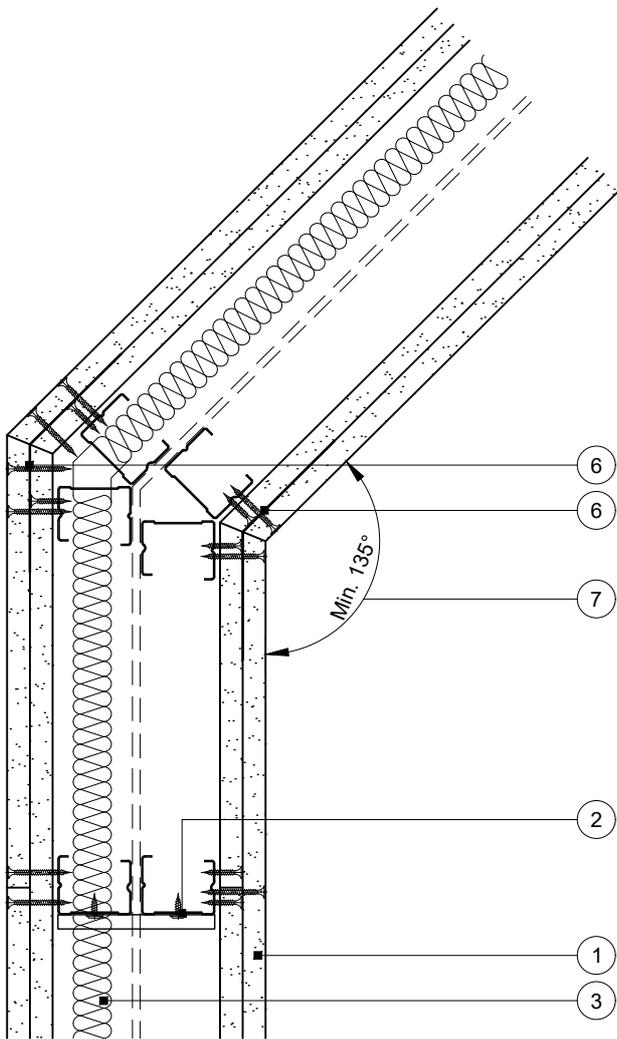
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Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

GypWall Twin Frame Braced

- 1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Two lines of Gypframe 'C' studs at specified centres cross braced with Gypframe 99 FC 50 Fixing Channel at 1200mm centres (staggered by 600mm between stud pairs for heights over 2400mm) fixed to each stud with two suitable British Gypsum wafer head screws
- 3 Isover insulation where required
- 4 Gypframe 'C' stud fixed through board to stud with suitable British Gypsum screws at 600mm centres
- 5 Gypframe 'C' studs fixed together with suitable British Gypsum wafer head screws at 600mm centres
- 6 Gypframe GA6 Splayed Angle to receive outer layer board fixings
- 7 Minimum angle ensures Gypframe GA6 Splayed Angle is fixed to studs at external angle



Splayed angle

Corner

Title: GypWall Twin Frame Braced
48mm 'C' studs and two layers board
Standard details read with project specification

Scale at A4: 1:5
Date: February 2024
Dwg No.: ST-134-Z1L2-02

Drawn: MRC
Approved: MBH
Revision:

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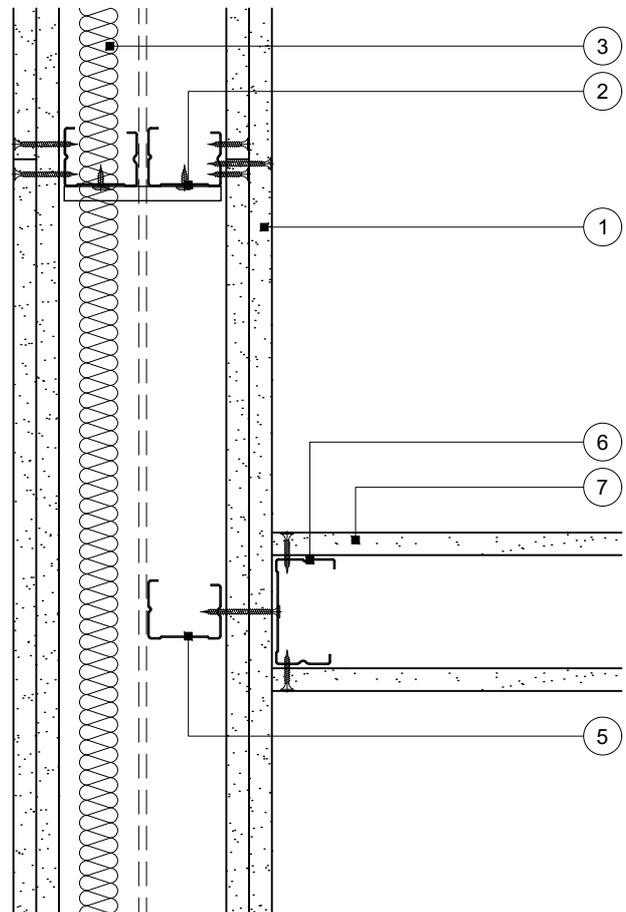
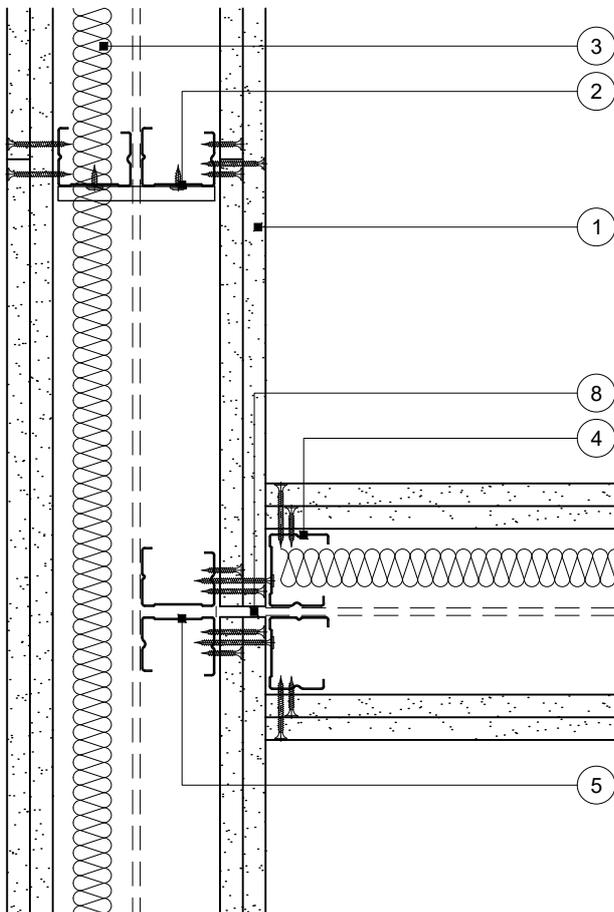
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Standard Detail

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GypWall Twin Frame Braced

- 1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Two lines of Gypframe 'C' studs at specified centres cross braced with Gypframe 99 FC 50 Fixing Channel at 1200mm centres (staggered by 600mm between stud pairs for heights over 2400mm) fixed to each stud with two suitable British Gypsum wafer head screws
- 3 Isover insulation where required
- 4 Gypframe 'C' stud fixed through board to stud with suitable British Gypsum screws at 600mm centres
- 5 Additional Gypframe 'C' stud at junction (two for 92mm and 146mm studs in adjacent partition)
- 6 Gypframe 'C' stud fixed through board to stud(s) with suitable British Gypsum screws at 600mm centres (in two lines staggered by 300mm for 92mm and 146mm studs)
- 7 One layer Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 8 Nominal 10mm gap between boards



T-junction

T-junction with other partition

Title: GypWall Twin Frame Braced
48mm 'C' studs and two layers board
Standard details read with project specification

Scale at A4: 1:5
Date: February 2024
Dwg No.: ST-135-Z1L2-03

Drawn: MRC
Approved: MBH
Revision:

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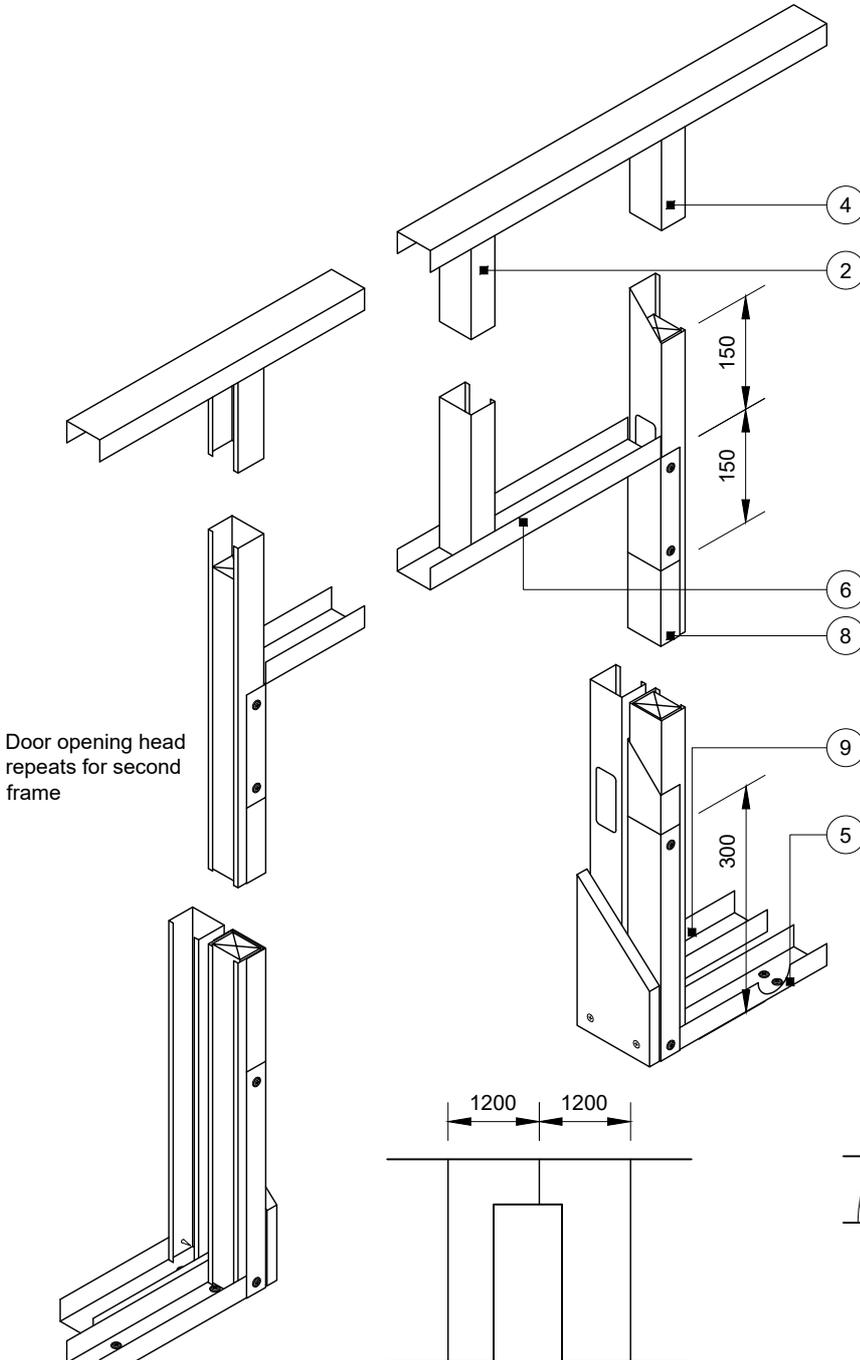
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Standard Detail

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GypWall Twin Frame Braced

Advice should be sought from the door manufacturer or installer prior to construction of this detail



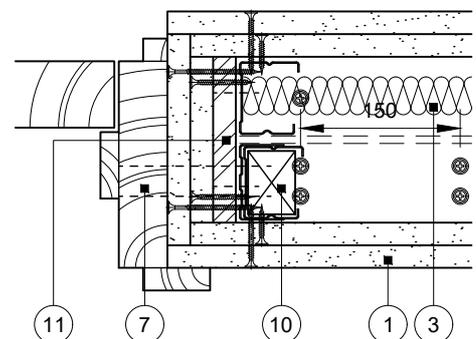
Door opening head repeats for second frame

- 1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Two lines of Gypframe 'C' studs at specified centres cross braced with Gypframe 99 FC 50 Fixing Channel at 1200mm centres (staggered by 600mm between stud pairs for heights over 2400mm) fixed to each stud with two suitable British Gypsum wafer head screws, to maintain stud module
- 3 Isover insulation where required
- 4 Two lines of Gypframe 'C' studs at jamb and cross braced above opening as note 2
- 5 Gypframe Channel suitably fixed to floor with two pairs of fixings at 150mm centres (four total) and at 600mm centres thereafter. Channel cut and bent to extend 300mm up stud and fixed through both flanges with two suitable British Gypsum wafer head screws. Deep Channel for heights between 4200mm and 8000mm or Extra Deep Channel for heights over 8000mm
- 6 Gypframe Channel cut and bent to extend 150mm down stud and fixed through both flanges with two suitable British Gypsum wafer head screws or crimped
- 7 Indicative timber door frame (fixed to timber stud) and architrave
- 8 Gypframe Channel sleeved over stud between returned channels at opening head and base
- 9 Gypframe Channel suitably fixed to floor at 600mm centres. Deep Channel for heights between 4200mm and 8000mm or Extra Deep Channel for heights over 8000mm
- 10 Indicative timber stud 42 x 30mm to extend 150mm above opening height
- 11 15mm plywood to full opening height suitably fixed to studs at 300mm centres

Partition elevation

Door opening width up to 1200mm

Maximum door weight 60kg to BS 5234: Parts 1 & 2: 1992 - Heavy and Severe Duty



Title: GypWall Twin Frame Braced
48mm 'C' studs and two layers board
Standard details read with project specification

Scale at A4: 1:5 1:10
Date: February 2024
Dwg No.: ST-135-Z1L2-04

Drawn: MRC
Approved: MBH
Revision:

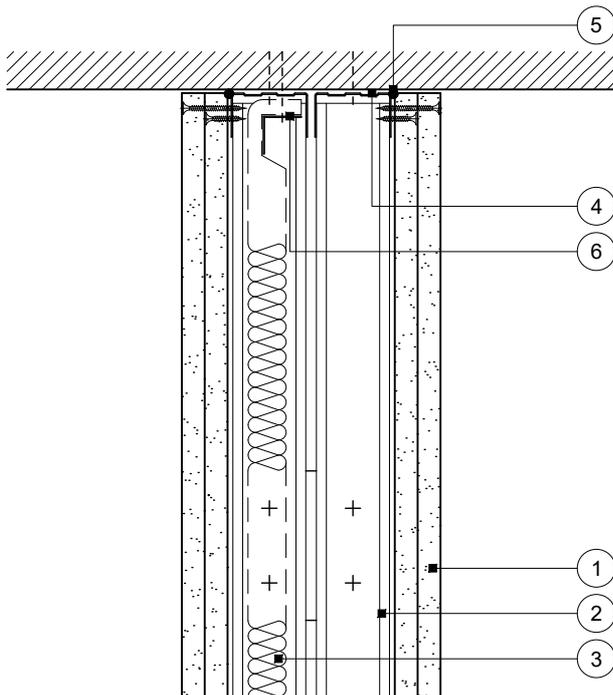
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Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

GypWall Twin Frame Braced

- 1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Two lines of Gypframe 'C' studs at specified centres cross braced with Gypframe 99 FC 50 Fixing Channel at 1200mm centres (staggered by 600mm between stud pairs for heights over 2400mm) fixed to each stud with two suitable British Gypsum wafer head screws
- 3 Isover insulation where required
- 4 Gypframe Channel suitably fixed to soffit at 600mm centres. Deep Channel for heights between 4200mm and 8000mm or Extra Deep Channel for heights over 8000mm
- 5 Gyproc Sealant for optimum sound insulation
- 6 Gypframe steel angle or timber batten suitably fixed to soffit to retain insulation where required



Head

No deflection allowance

Title: GypWall Twin Frame Braced
48mm 'C' studs and two layers board
Standard details read with project specification

Scale at A4: 1:5
Date: February 2024
Dwg No.: ST-135-Z1L2-05

Drawn: MRC
Approved: MBH
Revision:

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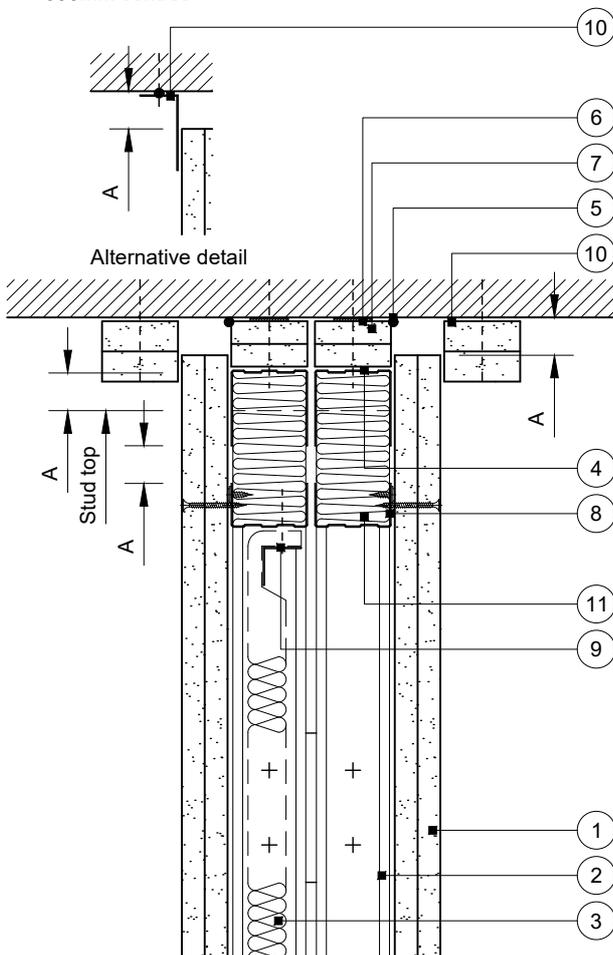
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Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

GypWall Twin Frame Braced

- 1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Two lines of Gyproframe 'C' studs at specified centres cross braced with Gyproframe 99 FC 50 Fixing Channel at 1200mm centres (staggered by 600mm between stud pairs for heights over 2400mm) fixed to each stud with two suitable British Gypsum wafer head screws
- 3 Isover insulation where required
- 4 Gyproframe Deep Channel or Extra Deep Channel (see table) suitably fixed through board to soffit at 600mm centres
- 5 Gyproc Sealant for optimum sound insulation
- 6 Gyproc FireStrip
- 7 One or two channel width strip(s) of board (see table). Two strips pre-fixed to channel with suitable British Gypsum screws at 600mm centres
- 8 Gyproframe Channel noggings with ends notched around studs and fixed with suitable British Gypsum wafer head screws, to receive uppermost board fixings (no fixings into head channel)
- 9 Gyproframe steel angle or timber batten suitably fixed to channel to retain insulation where required
- 10 Two 50mm width strips of Glasroc F FireCase fixed to soffit with suitable fire resistant fixings at 600mm centres, or Gyproframe GA4 Steel Angle bedded on bead of Gyproc Sealant and fixed to soffit with suitable fire resistant fixings at 600mm centres (see table)
- 11 Stone mineral wool 33kg/m³ minimum density by others



DEFLECTION (VERTICAL) HEAD DESIGN

| DEFLECTION DIM. A | DROPPED SOFFIT NOTE 7 | CHANNEL NOTE 4 | CLOAKING ELEMENT NOTE 10 |
|-------------------|--|----------------|------------------------------|
| 1-15mm | One 19mm ^A or 20mm ^B | DC | Two 15mm ^B or GA4 |
| 16-20mm | Two 15mm ^B | DC | Two 15mm ^B |
| 21-25mm | Two 15mm ^B | DC | Two 20mm ^B |
| 26-30mm | Two 20mm ^B | DC | Two 20mm ^B |
| 31-35mm | Two 20mm ^B | EDC | Two 25mm ^B |
| 36-40mm | Two 25mm ^B | EDC | Two 25mm ^B |
| 41-45mm | Two 25mm ^B | EDC | Two 30mm ^B |
| 46-50mm | Two 30mm ^B | EDC | Two 30mm ^B |

^A Gyproc CoreBoard
^B Glasroc F FireCase

Important information

Fire resistance BS EN 1364-1

- 90 or 120 minutes through partition subject to specification

Deflection head

Downward (vertical) movement

Title: GypWall Twin Frame Braced
48mm 'C' studs and two layers board
Standard details read with project specification

Scale at A4: 1:5
Date: February 2024
Dwg No.: ST-135-Z1L2-09

Drawn: MRC
Approved: MBH
Revision:

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